

Hawaii Healthy Aging Project: State and County Data Tables

December 2004

Table 1.	Population Counts and Projections: 1980 to 2030
Table 2.	60+ by Ethnicity/Race: 2000
Table 3.	Life Expectancy by Sex: 1990
Table 4.	Mortality 60+: Underlying Cause of Death, 1999-2001 (State)
Table 5.	Mortality 60+: Underlying Cause of Death, 1999-2001 (County)
Table 6.	65+: Disability by Type, 2000
Table 7.	65+: Disability by Ethnicity/Race, 2000
Table 8.	60+: High Cholesterol, 1995-2003
Table 9.	60+: Below Recommended Physical Activity Levels, 1999-2003
Table 10.	60+: Less than 5 Fruits/Vegetables Daily, 1998-2003
Table 11.	60+: Diabetes, 1999-2003
Table 12.	60+: High Blood Pressure/Hypertension, 1995-2003
Table 13.	60+: Overweight or Obese, 1999-2003
Table 14.	60+: High Cholesterol by Ethnicity/Race, 1999-2003, three-year averages
Table 15.	60+: Below Recommended Physical Activity Levels by Ethnicity/Race, 2001-2003, three-year averages
Table 16.	60+: Less than 5 Fruits/Vegetables Daily by Ethnicity/Race, 2001-2003, three-year averages
Table 17.	60+: Diabetes by Ethnicity/Race, 2001-2003, three-year averages
Table 18.	60+: High Blood Pressure/Hypertension by Ethnicity/Race, 1999-2003, three-year averages
Table 19.	60+: Overweight or Obese by Ethnicity/Race, 2001-2003, three-year averages

Table 1. Population Counts and Projections: 1980 to 2030

State of Hawaii	1980 /1	1990 /1	2000 /1	2010 /2	2020 /2	2030 /2
60+ population	113,944	173,733	207,001	268,800	351,650	410,450
% of total pop	12%	16%	17%	20%	24%	25%
85+ population	5,561	10,397	17,564	29,750	33,800	40,350
% of total pop	0.6%	0.9%	1.4%	2.2%	2.3%	2.5%
Total population	964,691	1,108,229	1,211,537	1,346,600	1,489,550	1,630,450
Hawaii County						
60+ population	13,592	20,755	26,122	35,750	49,050	54,150
% of total pop	15%	17%	18%	20%	24%	24%
85+ population	704	1,181	2,132	3,450	4,000	5,000
% of total pop	0.8%	1.0%	1.4%	2.0%	2.0%	2.2%
Tot pop - Hi Cty	92,053	120,317	148,677	176,750	203,050	229,700
Honolulu County						
60+ population	83,820	128,490	150,910	190,950	242,550	284,350
% of total pop	11%	15%	17%	20%	23%	25%
85+ population	4008	7,614	12,759	22,000	24,950	28,850
% of total pop	0.5%	0.9%	1.5%	2.3%	2.4%	2.6%
Tot pop - Hon. Cty	762,565	836,231	876,156	952,650	1,037,250	1,117,300
Kauai County						
60+ population	6,125	8,877	10,468	13,800	18,650	21,000
% of total pop	16%	17%	18%	21%	25%	25%
85+ population	292	605	1,031	1,550	1,700	2,100
% of total pop	0.7%	1.2%	1.8%	2.4%	2.3%	2.5%
Tot pop - Kauai Cty	39,082	51,177	58,463	65,900	74,750	83,850
Maui/Kalawao Cty						
60+ population	10,407	15,611	19,501	28,400	41,450	50,750
% of total pop	15%	16%	15%	19%	24%	25%
85+ population	557	997	1,642	2,750	3,150	4,400
% of total pop	0.8%	1.0%	1.3%	1.8%	1.8%	2.2%
Tot pop - M/K Cty	70,991	100,504	128,241	151,300	174,450	199,550

/1 U.S. Census Bureau. April 1, 1980, 1990, and 2000 estimates. Executive Office on Aging calculations.

/2 Hawaii Department of Business, Economic Development and Tourism. *Population and Economic Projections for the State of Hawaii to 2030*. August 2004. Executive Office on Aging calculations.

County totals may not sum to State totals due to rounding.

Table 2. 60+ by Ethnicity/Race: 2000

	Hawaii County	Honolulu County	Kauai County	Maui/Kalawao County	State of Hawaii
1 race					
White	36.6%	19.6%	29.9%	34.4%	23.6%
Black/African American	0.3%	0.4%	0.3%	0.3%	0.4%
American Indian/Alaska Native	0.2%	0.1%	0.2%	0.2%	0.1%
Asian	44.9%	66.0%	55.9%	48.1%	61.1%
Chinese	(1.6%)	(10.1%)	(1.3%)	(1.5%)	(7.7%)
Filipino	(10.6%)	(14.4%)	(23.1%)	(19.1%)	(14.8%)
Japanese	(31.0%)	(36.4%)	(30.1%)	(26.0%)	(34.4%)
Korean	(0.7%)	(3.0%)	(0.3%)	(0.5%)	(2.3%)
All other Asians	(1.0%)	(2.0%)	(1.1%)	(1.1%)	(1.8%)
Native Hawaiian/Pacific Islander	6.5%	5.2%	5.5%	7.2%	5.6%
Native Hawaiian	(6.2%)	(4.1%)	(5.4%)	(6.6%)	(4.7%)
Tongan	(0.1%)	(0.2%)	(<0.1%)	(0.2%)	(0.1%)
All other Pacific Islanders	(0.2%)	(1.0%)	(0.1%)	(0.3%)	(0.8%)
Other	0.7%	0.5%	0.8%	0.7%	0.5%
Two or more races	10.8%	8.2%	7.5%	9.2%	8.6%
Total	100%	100%	100%	100%	100%

Columns may not total to 100 percent due to rounding.

Source: U.S. Census Bureau. *Census 2000*. Executive Office on Aging calculations.

Table 3. Life Expectancy by Sex: 1990

Life Expectancy in Years	Total	Male	Female
County:			
Hawaii	77	74	80
Honolulu	79	76	82
Kauai	79	75	82
Maui	79	76	82
State of Hawaii	79	76	82

Source: Hawaii Health Information Corporation. *Health Trends in Hawaii*.

Table 4. Mortality 60+: Underlying Cause of Death, 1999-2001 (State)

State of Hawaii	1999		2000		2001	
Underlying Cause of Death for Older Adults (60+)	Rank	Count	Rank	Count	Rank	Count
Heart Disease	1	2032	1	2256	1	1934
Malignant Neoplasms (cancers)	2	1494	2	1484	2	1550
Cerebrovascular Disease (stroke)	3	669	3	623	3	688
Chronic Lower Respiratory Disease	4	266	4	235	4	245
Diabetes Mellitus	6	175	5	168	6	138
Influenza/Pneumonia	5	211	8	94	5	185
Nephritis, Nephrotic & Nephrosis (kidney)	8	115	7	121	9	104
Alzheimer's Disease	9	107	6	122	8	122
Other Accidents & Adverse Effects	10	102	9	90	7	125
Other Circulatory Diseases, including Atherosclerosis	7	124	10	89	10	101
All other causes		1224		1225		1319
Total		6519		6507		6511

Source: Hawaii Department of Health. Office of Health Status Monitoring.

**Table 5. Mortality 60+: Underlying Cause of Death, 1999-2001
(County)**

Underlying Cause of Death for Older Adults (60+)	1999		2000		2001	
	Rank	Count	Rank	Count	Rank	Count
Hawaii County						
Heart Disease	1	289	1	306	1	261
Malignant Neoplasms (cancers)	2	197	2	210	2	192
Cerebrovascular Disease (stroke)	3	100	3	97	3	109
Chronic Lower Respiratory Disease	4	35	5	26	4	42
Diabetes Mellitus	5	23	4	35	6	22
Influenza/Pneumonia	8	19	9	12	5	25
Nephritis, Nephrotic & Nephrosis (kidney)	9	13	6	22	10	12
Alzheimer's Disease	7	21	6	22	7	19
Other Accidents & Adverse Effects	9	13	10	9	7	19
Other Circulatory Diseases, including Atherosclerosis	6	22	8	15	9	15
All other causes		114		143		152
Total (Hawaii County)		846		897		868
Honolulu County						
Heart Disease	1	1388	1	1633	1	1412
Malignant Neoplasms (cancers)	2	1084	2	1046	2	1127
Cerebrovascular Disease (stroke)	3	490	3	442	3	496
Chronic Lower Respiratory Disease	4	190	4	167	4	158
Diabetes Mellitus	6	127	5	106	6	96
Influenza/Pneumonia	5	169	8	67	5	138
Nephritis, Nephrotic & Nephrosis (kidney)	7	91	6	81	9	73
Alzheimer's Disease	10	68	9	66	8	81
Other Accidents & Adverse Effects	9	75	7	70	7	92
Other Circulatory Diseases, including Atherosclerosis	7	91	10	57	10	68
All other causes		930		891		982
Total (Honolulu County)		4703		4626		4723

Source: Hawaii Department of Health. Office of Health Status Monitoring.

Table 5. Continued

Underlying Cause of Death for Older Adults (60+)	1999		2000		2001	
	Rank a/	Count	Rank	Count	Rank	Count
Kauai County						
Heart Disease	1	124	1	111	1	95
Malignant Neoplasms (cancers)	2	85	2	84	2	74
Cerebrovascular Disease (stroke)	3	31	3	29	3	31
Chronic Lower Respiratory Disease	4	20	4	20	4	17
Diabetes Mellitus	7	5	5	14		na
Influenza/Pneumonia	5	9	9	6	5	8
Nephritis, Nephrotic & Nephrosis (kidney)		na	8	9	5	8
Alzheimer's Disease	7	5	7	10		na
Other Accidents & Adverse Effects		na	9	6		na
Other Circulatory Diseases, including Atherosclerosis	7	5	6	11	7 b/	5
All other causes		82 c/		71		75 c/
Total (Kauai County)		366		371		313

a/ In 1999, the 6th leading cause of death for those 60+ in Kauai County was *Hypertension*.

b/ In 2001, *Hypertension* tied with *Other Circulatory Diseases, Including Atherosclerosis* as the 7th leading cause of death for those 60+ in Kauai County.

c/ Includes "na" categories.

na = count less than 5 and suppressed for confidentiality purposes.

Maui/Kalawao County						
Heart Disease	1	231	1	206	1	166
Malignant Neoplasms (cancers)	2	128	2	144	2	157
Cerebrovascular Disease (stroke)	3	48	3	55	3	52
Chronic Lower Respiratory Disease	4	21	5	22	4	28
Diabetes Mellitus	5	20	6	13	6	16
Influenza/Pneumonia	6	14	7	9	7	14
Nephritis, Nephrotic & Nephrosis (kidney)	9	9	7	9	10	11
Alzheimer's Disease	7	13	4	24	5	19
Other Accidents & Adverse Effects	8	11	10	5	9	12
Other Circulatory Diseases, including Atherosclerosis	10	6	9	6	8	13
All other causes		103		120		119
Total (Maui/Kalawao County)		604		613		607

Source: Hawaii Department of Health. Office of Health Status Monitoring.

Table 6. 65+: Disability by Type, 2000

Percent of those 65+ with one or more disability by type of disability					
Type of Disability	Hawaii County	Honolulu County	Kauai County	Maui County /1	State of Hawaii
Sensory	14%	14%	14%	13%	14%
Physical	25%	25%	25%	27%	25%
Mental	10%	13%	13%	13%	12%
Self-care	7%	9%	9%	9%	9%
Go-outside-home	20%	22%	23%	23%	22%
Any of the above types	40%	40%	41%	42%	41%

/1 Maui and Kalawao County. Maui County alone figures are the same.

Source: U.S. Census Bureau. *Census* 2000. Executive Office on Aging calculations.

Table 7. 65+: Disability by Ethnicity/Race, 2000

Percent of those 65+ of each ethnic/race group with one or more disability					
	Hawaii County	Honolulu County	Kauai County	Maui County /1	State of Hawaii
White alone	39%	39%	35%	38%	38%
Chinese alone	43%	39%	43%	25%	39%
Filipino alone	49%	46%	46%	42%	46%
Japanese alone	38%	37%	43%	45%	38%
Native Hawaiian alone	44%	47%	45%	53%	48%
Total population 65+	40%	40%	41%	42%	41%

/1 Maui County only. Kalawao County figures not available.

Source: U.S. Census Bureau. *Census* 2000. Executive Office on Aging calculations.

Table 8. 60+: High Cholesterol, 1995-2003

	1995	1997	1999	2001	2003
County:					
Hawaii	43%	47%	37%	41%	34%
Honolulu	28%	46%	43%	32%	32%
Kauai	26%	38%	37%	32%	33%
Maui/Kalawao	35%	55%	27%	28%	36%
State of Hawaii	30%	46%	40%	33%	33%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 9. 60+: Below Recommended Physical Activity Levels*, 1999-2003

	1999	2000	2001	2002	2003
County:					
Hawaii	44%	47%	50%	54%	60%
Honolulu	44%	47%	57%	57%	57%
Kauai	53%	41%	63%	53%	50%
Maui/Kalawao	48%	46%	50%	49%	53%
State of Hawaii	45%	47%	56%	56%	56%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

* Includes individuals who are physically inactive and individuals who exercise irregularly (do some physical activity but at a level below recommendations).

Table 10. 60+: Less than 5 Fruits/Vegetables Daily, 1998-2003

	1998	2000	2001	2002	2003
County:					
Hawaii	63%	73%	73%	77%	63%
Honolulu	65%	75%	70%	76%	66%
Kauai	75%	75%	77%	72%	68%
Maui/Kalawao	66%	65%	64%	78%	64%
State of Hawaii	66%	74%	70%	76%	65%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 11. 60+: Diabetes, 1999-2003

	1999	2000	2001	2002	2003
County:					
Hawaii	14%	14%	15%	11%	15%
Honolulu	11%	12%	15%	16%	17%
Kauai	7%	14%	14%	7%	14%
Maui/Kalawao	11%	14%	12%	12%	15%
State of Hawaii	11%	13%	15%	14%	17%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 12. 60+: High Blood Pressure/Hypertension, 1995-2003

	1995	1997	1999	2001	2003
County:					
Hawaii	48%	45%	53%	49%	42%
Honolulu	39%	42%	48%	51%	49%
Kauai	47%	45%	49%	59%	44%
Maui/Kalawao	35%	51%	41%	45%	45%
State of Hawaii	41%	44%	48%	51%	48%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 13. 60+: Overweight or Obese, 1999-2003

	1999	2000	2001	2002	2003
County:					
Hawaii	48%	50%	48%	51%	54%
Honolulu	41%	46%	42%	48%	37%
Kauai	59%	47%	58%	44%	56%
Maui/Kalawao	44%	52%	46%	49%	46%
State of Hawaii	43%	47%	44%	48%	41%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 14. 60+: High Cholesterol by Ethnicity/Race, 1999-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	32%	41%	42%	40%	38%
Honolulu	30%	41%	28%	37%	36%
Kauai	32%	49%	26%	45%	34%
Maui/Kalawao	27%	44%	19%	39%	30%
State of Hawaii	30%	42%	28%	38%	35%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 15. 60+: Below Recommended Physical Activity Levels* by Ethnicity/Race, 2001-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	48%	50%	60%	65%	55%
Honolulu	50%	57%	68%	57%	57%
Kauai	53%	61%	65%	49%	55%
Maui/Kalawao	45%	55%	52%	59%	51%
State of Hawaii	49%	56%	65%	58%	56%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

* Includes individuals who are physically inactive and individuals who exercise irregularly (do some physical activity but at a level below recommendations).

Table 16. 60+: Less than 5 Fruits/Vegetables Daily by Ethnicity/Race, 2001-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	68%	76%	77%	73%	71%
Honolulu	65%	71%	67%	77%	71%
Kauai	66%	88%	70%	76%	72%
Maui/Kalawao	66%	64%	71%	72%	69%
State of Hawaii	66%	71%	69%	76%	71%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 17. 60+: Diabetes by Ethnicity/Race, 2001-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	10%	23%	25%	13%	14%
Honolulu	10%	20%	22%	17%	16%
Kauai	8%	18%	14%	14%	11%
Maui/Kalawao	10%	16%	11%	15%	13%
State of Hawaii	10%	20%	20%	17%	15%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 18. 60+: High Blood Pressure/Hypertension by Ethnicity/Race, 1999-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	42%	60%	63%	47%	48%
Honolulu	40%	57%	45%	54%	50%
Kauai	57%	48%	55%	59%	51%
Maui/Kalawao	41%	46%	50%	55%	43%
State of Hawaii	41%	56%	49%	53%	49%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Table 19. 60+: Overweight or Obese by Ethnicity/Race, 2001-2003, three-year averages

	White	Native Hawaiian	Filipino	Japanese	Total
County:					
Hawaii	55%	73%	37%	39%	51%
Honolulu	49%	58%	37%	36%	42%
Kauai	64%	57%	31%	41%	53%
Maui/Kalawao	52%	67%	38%	31%	47%
State of Hawaii	51%	61%	37%	36%	44%

Source: Hawaii Department of Health, *Behavioral Risk Factor Surveillance System*.

Hawaii Healthy Aging Project: State and County Data Tables

December 2004

Prepared by the Executive Office on Aging:

Phone: (808) 586-0100

Email: eoamail.health.state.hi.us

Website: www2.hawaii.gov/eoa

Address: 250 South Hotel Street, Room 406

Honolulu, Hawaii 96813